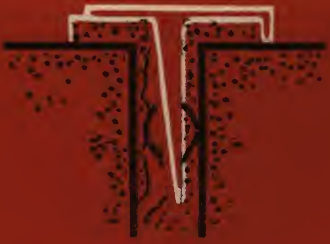
An Expanding Metal Protection for Mortar Joints in Masonry.



Used in Copings, Cornices, Belt Courses Wall Tables and Sills.

PERFECTION JOINT COVER

PROTECTS AGAINST FROST AND MOISTURE

ELIMINATES PERIODIC REPOINTING

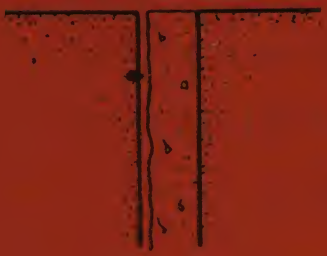
SATISFACTORY PERFORMANCE SINCE 1936

Joint Covers furnished for all Stone Courses and Copings 1941.

New York Power Corp., Steam Station, Oswego, N. Y., Stone and Webster Co., Engineers and Contractors.

DUSING & HUNT INC., BUFFALO 7, N. Y.

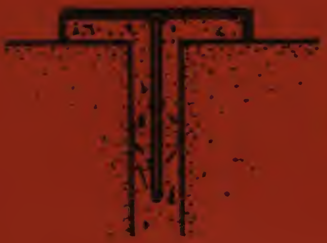
WITHOUT JOINT COVER



a

The unprotected mortar joint will—after the natural expansion and contraction of stone—invariably develop cracks. As an obvious result, not only is the mortar bond broken, but moisture will seep through the crack to saturate the masonry. This condition—especially when followed by frost—will invariably cause constant and increasing damage to the masonry and interiors as well or will demand repeated repointing. To offset this costly condition Perfection Joint Covers were designed.

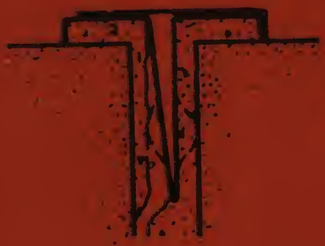
JOINT PROTECTED WITH PERFECTION



b

Figure B illustrates how the Perfection Joint Cover formed from one piece of copper is embedded into a typical masonry joint. Note that the mortar, completely protected by the joint cover from all outside evaporation, is permitted to cure slowly and completely and make a perfect bond to the stone. It bonds so completely, that in spite of a 25-pound test pull against the dam formed under the cover, the mortar remained bonded to both stone surfaces. The "test" photos at the right show the solid bed of properly cured and thoroughly hardened mortar that was formed beneath the Perfection Joint Cover.

AFTER CONTRACTION OR EXPANSION



c

In this illustration the stone has contracted and has caused the Joint Cover to expand and the mortar of the joint below the Joint Cover to crack. Both edges of the Joint Cover are held stationary above the dam causing the center of the V form to expand. The top surface of the Joint Cover slides over the copper surface below, which remains stationary and keeps the expanded mortar joint fully protected. As a result, even if water is driven under the sliding cover, the one piece construction of the Joint Cover offers a continual protection to the joint.

Perfection Joint Covers

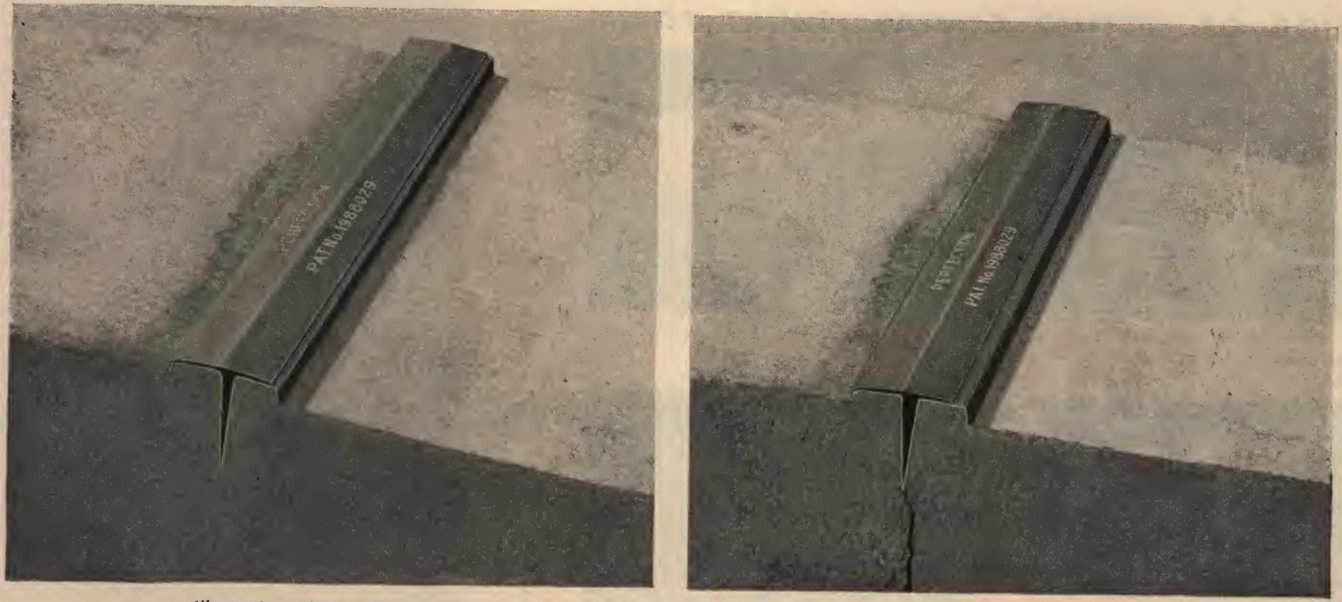
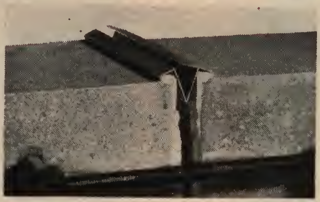


Illustration above left shows joint cover after setting and at right is shown how although contracting stone breaks the joint, the joint cover expands sufficiently to continue to give perfect protection.

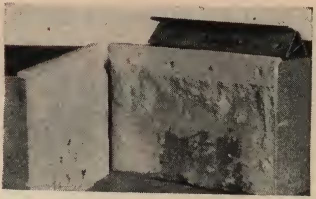
A SIMPLE TEST INDICATING PERMANENT SEAL OF STONE JOINT Due to protection of copper cover a positive mortar bond, as illustrated below, is secured by slow hydration of mortar in joint and under Cover, and allows the bonding qualities of mortar to function.

Close-up of typical stone joint after expansion or contraction of stones takes place.

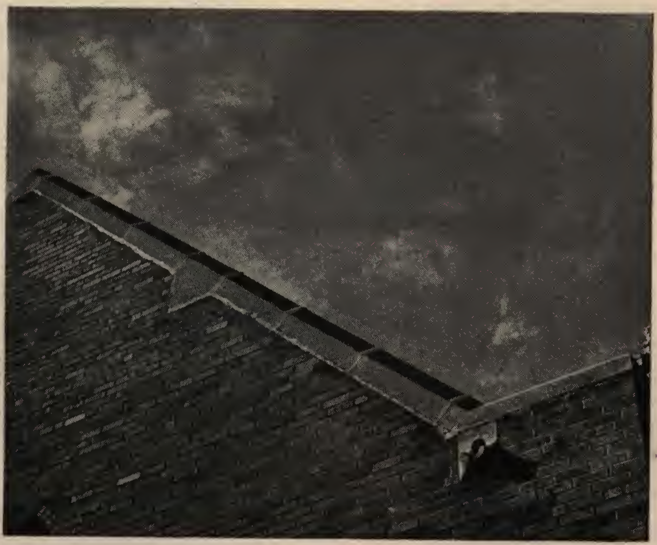


Typical stone joint mechanically expanded ⅝ in. wide, note how mortar under Joint Cover still remains firmly bonded to stone surface even after this extreme movement.

An actual scale test applying 25-lb. pull against mortar dam formed under Joint Cover. Mortar still remains bonded to stone surface.



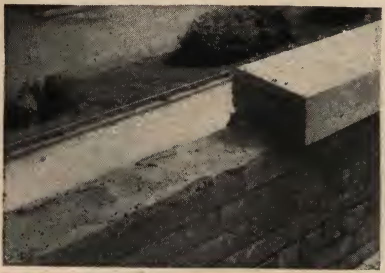
Shows broken stone joint and depressions in mortar formed by anchor points of Cover. Note how full bed of mortar was formed under the Cover.



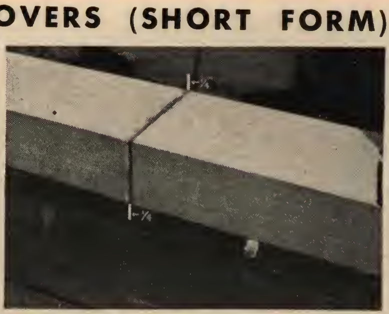
DUSING & HUNT, INC.

Perfection Joint Covers

METHOD OF SETTING COVERS (SHORT FORM)

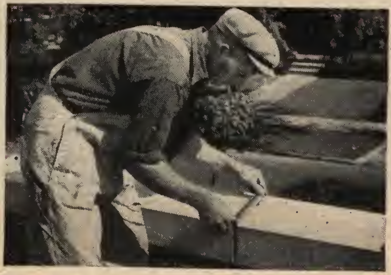


1. Bed stone joint fully with regular mason mortar before setting stone in place.

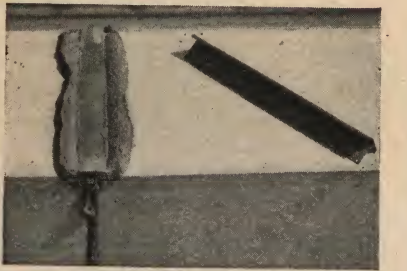


2. Allow ¼" where stones to be joined meet.

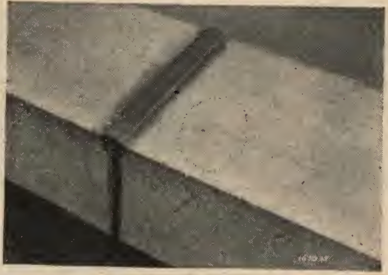
3. Prepare Joint Cover for setting and bed it with mortar.



4. Place Joint Cover into stone joint and press firmly into position. Be certain that the vertical edges of Cover set flush upon the stone surfaces.



5. After Cover is set into position, the excess mortar in the joint and on the Cover will ooze out, indicating a full bed of mortar under the Cover.



6. After the Cover and Mortar set a few minutes, the excess mortar may be removed from the stone surfaces. And if a cover is not furnished for the end joints, those ends should be pointed.

SPECIFICATIONS

Place Under Section for Cast or Natural Stone or Terra Cotta.

The Stone Contractor shall furnish and deliver to Mason Contractor (for setting) upon delivery of stone, Perfection Joint Covers of 12-oz. lead coated copper as manufactured by Dusing & Hunt, Inc., 1927 Elmwood Avenue, Buffalo, N. Y., or equal.

Joint Covers to be of self-centering and self-anchoring type, designed to expand with the shrinkage of the stone and mortar, remain permanently and rigidly anchored into top exposed mortar joints of all copings, cornices, belt courses and multiple sills.

This contractor to supply to manufacturer or their representative, copies of details of stone showing exact sizes and contours so covers can be supplied to proper dimensions.

Place Under Section for Mason.

This Contractor shall refer to the stone specifications and set all Perfection Joint Covers as furnished and delivered to him by the Stone Contractor.

These Joint Covers to be set accurately in accordance with manufacturers' instructions at the time stone is set, and caution should be taken to completely fill joint cover with regular mortar before placing in joint. See manufacturer's written instructions supplied with each shipment.

DUSING & HUNT, INC.

1927 Elmwood Avenue, BUFFALO 7, N. Y.

REPRESENTATIVES IN PRINCIPAL CITIES

PARTIAL LIST OF USERS OF PERFECTION JOINT COVE

SCHOOLS AND UNIVERSITIES

M. I. T., Boston, Mass.
Manhasset Grade School, Manhasset, Long Island, N. Y.
Hampton Street Grade School • Jackson Avenue Grade Schoo
Mineola High School Addition, Mineola, Long Island, N. Y.
Horace Greeley School, Chappaqua, N. Y.
Wellsville Elementary School, Wellsville, N. Y.
Edmeston School, Edmeston, N. Y.
Weedsport School, Weedsport, N. Y.
Central Grade and High School, Wappinger Falls, N. Y.
University of Rochester (Women's Dormitory), Rochester, N. Y.
Canisius College, Buffalo, N. Y.
Purdue University, Lafayette, Indiana
University of Minnesota, St. Paul, Minn.
Mass. Institute of Technology, Boston, Mass.

LIBRARIES

Davenport Public Library, Davenport, Iowa
Rundel Memorial Library, Rochester, N. Y.

CHURCHES

Lutheran Church, Buffalo, N. Y.
St. Pauls Lutheran Church, Martinsville, N. Y.
St. Peters Church, Skokie, Ill.

FACTORY BUILDINGS

Eastman Kodak Co., Rochester, N. Y.
Hooker Electrochemical Company, Niagara Falls, N. Y.
National Gypsum Company, Clarence, N. Y.
Hygrade Sylvania Corporation, Emporium, Pa.
Fairmont Creamery, Buffalo, N. Y.
Chevrolet-Tarrytown, Tarrytown, N. Y.
Curtiss-Wright Corporation, Various Plants
[illegible] Corp. • Linde Air Products Corp., Buffalo, N.
Agfa-Ansco Co., Binghamton, N. Y.
Doehler Die Casting Co., Batavia, N. Y.
Symington-Gould Corp., Rochester, N. Y.
[illegible] Market Buildings, Kansas City, Mo.
Buffalo Arms Corp., Cheektowaga, N. Y.
[illegible] • [illegible], Inc., Detroit,
[illegible] Co., Racine, Wis.

BANK BUILDINGS

Akron Savings & Loan Assn., Akron, Ohio
Cleveland Trust Company, Cleveland, Ohio
Morris Plan Ind. Bank, Burlington, N. C.
Fletcher Trust Company, Indianapolis, Indiana
Union Bank Building, Davenport, Iowa

OFFICE BUILDINGS

[illegible] Building • [illegible] Title Co., Buffalo, N. Y.
Burlington Mills Office Bldg., Greensboro, N. C.
Oliver Building • Gulf Building, Pittsburgh, Pa.
Hanna Building, Cleveland, Ohio
New England Life Insurance Co., Boston, Mass.
State of Pennsylvania, Harrisburg, Pa.
National Life Co., Nashville, Tenn.
D. L. & W. Railroad Co., Philadelphia, Pa.

HOTELS

Netherland Hotel, Cincinnati, Ohio

STORES AND MERCANTILE BUILDINGS

[illegible] Store, Rochester, N. Y.
Atlantic & Pacific Tea Co., Buffalo, N. Y. and elsewhere
Loblaw Stores, Buffalo, N. Y. and elsewhere
Elmira Park and Shop Building, Elmira, N. Y.
[illegible] Company, Bradford, Pa.
W. T. Grant Co. • F. W. Woolworth Co. • S. S. Kresge Co., Various Locations
Belk Store, Greensboro, N. C.

HOSPITALS

General Hospital, Kansas City, Mo.
Miller Hospital, St. Paul, Minn.
J. N. Adam Memorial Hospital, Perrysburg, N. Y.
Columbus Hospital, Buffalo, N. Y.

PUBLIC UTILITIES

Pennsylvania Power & Light Co., Harrisburg, Pa.
Rochester Gas & Electric Co., Rochester, N. Y.
Commonwealth Edison Co., Chicago, Ill.
Cincinnati Gas & Electric Co., Cincinnati, Ohio
Illinois Bell Telephone Co., Peoria, Ill.
Niagara Hudson Corp. • Northwestern Bell Telephone Co. • Ohi
Bell Telephone Co., Various Locations
Southwestern Bell Telephone Co., Tarrant, Ala.

STATE AND MUNICIPAL BUILDINGS

Public Works Building • City Hall, Buffalo, N. Y.
City Building, Coral Gables, Fla.
City Hall, Asheboro, N. C.
City Building, Binghamton, N. Y.
Public Works Office (Navy Yard), Washington, D. C.
County Building, Springfield, Ohio
Kenmore Post Office, Kenmore, N. Y.
Dept. Public Bldgs. & Properties, Indianapolis, Indiana
Fire and Police Station, Buffalo, N. Y.
Harrison County Court House and Jail, Bethany, Mo.
Indiana World War Memorial, Indianapolis, Indiana
Fire Station, Middletown, N. Y.
Armory Building, Columbus, Ohio

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